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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/716,104	11/17/2000	Nandu Gopalakrishnan	6-4-6-7-15-10 6699 EXAMINER	
30594	7590 03/04/2005			
HARNESS, I P.O. BOX 891	DICKEY & PIERCE,	NGUYEN, BRIAN D		
RESTON, VA 20195			ART UNIT	PAPER NUMBER
			2661	
			DATE MAILED: 03/04/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	09/716,104	GOPALAKRISHNAN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Brian D Nguyen	2661			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be to within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDON	imely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 04 Fe	ebruary 2005.				
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-final.	•			
3) Since this application is in condition for alloward closed in accordance with the practice under E	•				
Disposition of Claims					
4) ☐ Claim(s) 1 and 2 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-2 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.				
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	= : :				
Priority under 35 U.S.C. § 119		·			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicativity documents have been receivus (PCT Rule 17.2(a)).	tion No red in this National Stage			
Attachment(s)					
) Notice of References Cited (PTO-892)	4) Interview Summary				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	Patent Application (PTO-152)			

Application/Control Number: 09/716,104

Art Unit: 2661

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1-2 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The limitation: "transport format information is reduced by mapping one or more of such information into a single format information" was not described in the specification.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shiu et al (6,624,767).

Regarding claims 1-2, Shiu disclosed a method comprising receiving packet data units in a buffer; concatenating a plurality of packet data units to produce a transport block set; coding the transport block set to a coded block; rate matching the coded block to form coded sub-blocks,

the coded sub-block being subject to additional processing; interleaving at least the coded sub-block; and time-multiplexing the rate-matched coded sub-blocks into a coded shared transport channel (see abstract; figure 2A; col. 4, line 8-col. 5, line 8). Shiu does not specifically disclose, "such that transport format information is reduced by mapping one or more of such information into a single format information". However, it is well known that when one or more information are multiplexed into a single format information, the information is reduced because, for example, the routing information for each information packet (one or more of such information) will be replaced by a single multiplexed routing information. Note that some information in the header of the one or more information are useless in the single format information (multiplexed information) and will be dropped.

Response to Arguments

5. Applicant's arguments filed 2/4/05 have been fully considered but they are not persuasive.

The applicant argued that the present invention include time-multiplexing the rate-matched code blocks into a coded shared transport channel such that transport format information is reduced by mapping one or more of such information into a single format information. Such a technique of mapping transport format information into single format information is simply not disclosed by the Shiu. This argument is not persuasive because Shiu clearly teaches "time-multiplexing the rate-matched code blocks into a coded shared transport channel" as shown in figure 2A step 232. The limitation "such that transport format information

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is reduced by mapping one or more of such information into a single format information" is explained in previous paragraph.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian D Nguyen whose telephone number is (571) 272-3084. The examiner can normally be reached on 7:30-6:00 Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

2/24/05

BRIAN NGUYEN
PRIMARY EXAMINER